

# **METHOD AND APPARATUS FOR DRILLING WASTE DISPOSAL ENGINEERING AND OPERATIONS USING A PROBABILISTIC APPROACH**

## **Abstract**

A method for determining distribution data for a disposal domain parameter to increase assurance in a cuttings injection process, including performing a fracturing simulation using a site specific datum to obtain a fracturing result, determining a probability of creating a new fracture using the fracturing result and a probability model, performing a plurality of fracturing simulations using the probability and a distribution associated with the probability to obtain disposal domain information, and extracting the distribution data for the disposal domain parameter from the disposal domain information.

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